

P1XXX

RAM

OBD2 CODE LIST

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Codes	Definition
P1004	Intake manifold air control valve (short runner) - performance
P1100 – P1199 (Fuel and air metering)	
P1105	Turbocharger (TC) boost pressure actuator circuit malfunction
P1110	Decreased engine performance -high intake air temperature
P1115	Engine coolant temperature (ECT) sensor/intake air temperature (IAT) sensor/ outside air temperature sensor -signal variation
P1128	Heated oxygen sensor (H02S) 1, bank 1 signal error
P1129	Heated oxygen sensor (H02S) 1, bank 2 signal error
P113C	Oxygen sensor (02S), control module
P1180	Decreased engine performance -high injection pump fuel temperature
P1192	Intake air temperature (IAT) sensor -voltage low
P1193	Intake air temperature (IAT) sensor -voltage high
P1194	Heated oxygen sensor (H02S), heater control -circuit malfunction
P1195	Heated oxygen sensor (H02S) 1, bank 1 slow response
P1196	Heated oxygen sensor (H02S) 1, bank 2 slow response
P1197	Heated oxygen sensor (M02S) 2, bank 1 slow response
P1200 – P1299 (Fuel and air metering – injector circuit)	
P1239	Engine oil temperature (EOT) -temperature too low
P125A	Power enable control circuit -voltage low
P125B	Power enable control circuit -voltage high
P1260	Engine control module, output driver -open circuit
P126B	Engine control module, output driver -short to ground
P126C	Engine control module, output driver -short to positive

P126E	Engine control module, output driver excessive current draw
P1272	A/C compressor clutch, circuit 2 -voltage low
P1273	A/C compressor clutch, circuit 2 -voltage high
P1274	A/C compressor clutch, circuit 2 -open circuit
P1275	A/C compressor clutch, circuit 2 –circuit malfunction
P1277	Starter motor control circuit -voltage low
P1278	Starter motor control circuit -voltage high
P1279	Starter motor control circuit -open circuit
P127A	Starter motor control circuit -circuit malfunction
P127C	Fuel pump, circuit 2 -voltage low
P127D	Fuel pump, circuit 2 -voltage high
P127E	Fuel pump, circuit 2 -open circuit
P1280	Fuel pump relay -circuit malfunction
P1281	Engine temperature -low for long period
P1282	Fuel pump relay
P1283	Engine control module (ECM) 1 -idle signal malfunction
P1284	Injection pump control module -battery voltage out of range
P1285	Injection pump control module relay -circuitmalfunction
P1286	Accelerator pedal position (APP) sensor -highinput
P1287	Injection pump control module/engine control module (ECM) 1 -supply voltage low
P1290	Compressed natural gas pressure sensorpressure high
P1291	Intake manifold heaters -no temperature rise
P1292	Compressed natural gas pressure sensor voltage high
P1293	Compressed natural gas pressure sensor voltage low
P1294	Idle speed control (ISC) system rpm lower/ higher than expected
P1295	Accelerator pedal position (APP) sensor -low input
P1296	Manifold absolute pressure (MAP) sensor no 5 volt supply

P1297	Manifold absolute pressure (MAP) sensor
P1298	System too lean -at prolonged wide open throttle
P1299	Manifold absolute pressure (MAP) sensor/ throttle position (TP) sensor
P129C	Powertrain control module (PCM), inverter control -circuit 2 high
P129E	Powertrain control module (PCM), inverter control-circuit 2 over-current
P1300 – P1399 (Ignition system or misfire)	
P1388	Engine control relay
P1389	Engine control relay
P1391	Crankshaft position (CKP) sensor/camshaft position (CMP) sensor -intermittent signal
P1398	Engine control module (ECM) -misfire detection limit reached
P1399	Glow plug warning lamp -circuit malfunction
P1400 – P1499 (Emission control)	
P1404	Exhaust gas recirculation (EGR) valve position sensor malfunction
P1411	Cylinder cut-out solenoid 1 -malfunction
P1414	Cylinder cut-out solenoid 4 -malfunction
P1416	Cylinder cut-out solenoid 6 -malfunction
P1417	Cylinder cut-out solenoid 7 -malfunction
P141A	Exhaust gas temperature (EGT) sensor 1 & 2 -interchanged
P144E	, Exhaust gas recirculation (EGR) -circuit voltage low
P144F	Exhaust gas recirculation (EGR) -circuit voltage high
P1451	Diesel particulate filter (DPF) full
P1475	Engine control module (ECM) 1 -auxiliary 5 volt output high
P1476	Secondary air injection (AIR) system -insufficient flow detected
P1477	Secondary air injection (AIR) system excessive flow detected

P1478	Ambient/battery temperature sensor -range/ performance problem
P1478	Ambient/battery temperature sensor -range! performance problem
P1479	Transmission cooling fan relay -circuit malfunction
P1484	Diesel particulate filter (DPF) temperature too high
P1486	Evaporative emission (EVAP) system -blockage detected
P1488	Engine control module (ECM) -auxiliary 5 volt output low
P1491	Engine coolant blower motor relay
P1492	Ambient/battery temperature sensor -voltage high
P1493	Ambient/battery temperature sensor -voltage low
P1494	Evaporative emission (EVAP) leak detection pump pressure switch
P1495	Evaporative emission (EVAP) leak detection pump solenoid
P1496	Engine control module (ECM) -5 volt output low
P1500 – P1599 (Vehicle or idle speed control)	
P1501	Vehicle over-speed condition -rear axle speed greater than front axle
P1502	Vehicle over-speed condition -front axle speed greater than rear axle
P1506	Crankcase pressure sensor range/performance
P1507	Crankcase pressure sensor range/performance
P1508	Crankcase pressure sensor range/performance
P150D	Cold start emission control -irregular idle speed
P1521	Engine oil sensor module -malfunction
P1572	Brake pedal position (BPP) switch -circuit malfunction
P1573	Brake pedal position (BPP) switch -circuit malfunction
P1593	Cruise control system, multi-function input AIB -circuit stuck
P1594	Alternator -voltage high

P1595	Cruise control
P1596	Cruise control master switch -high voltage
P1597	Cruise control master switch -low voltage
P1598	NC refrigerant pressure sensor -high input
P1599	A/C refrigerant pressure sensor -low input
P1600 – P1699 (ECM – computer output circuit)	
P1602	Engine control module (ECM) 1 not programmed
P1603	Engine control module (ECM) -RAM link error
P1604	Engine control module (ECM) -RAM read/write error
P1607	Engine control module (ECM) -shut down timer error
P1618	Engine control module (ECM) -primary 5 volt output erratic
P1628	Engine control module (ECM) -auxiliary 5 volt output erratic
P1652	CAN data bus -short circuit to ground
P1680	Clutch pedal position (CPP) switch -circuit malfunction
P1682	Alternator -voltage low
P1683	Cruise control
P1684	Engine control module (ECM) 1 -supply voltage disconnected within last 50 ignition switch ON-OFF cycles
P1685	Key not programmed into immobilizer control module
P1686	CAN data bus, immobilizer control module no signal
P1687	CAN data bus, instrumentation -no signal
P1688	Injection pump/injection pump control module -internal fault
P1689	Injection pump control module communication to engine control module (ECM) 1 malfunction
P1690	Crankshaft position/injection pump camshaft position sensor -correlation
P1691	Injection pump -internal fault

P1693	Engine control module (ECM)
P1694	CAN data bus, engine control module (ECM) no signal
P1695	CAN data bus, SCM -no signal
P1696	Engine control module (ECM) -EEPROM error
P1697	Engine control module (ECM) -EEPROM error
P1698	CAN data bus, engine control module (ECM) 2no signal
P1698	CAN data bus, transmission control module (TCM) no signal
P1700 – P1799 (Transmission)	
P1715	Restricted port in T3 range
P1719	Skip shift solenoid -circuit malfunction
P1736	Transmission -gear/input speed/output speed ratio error
P1740	Torque converter clutch (TCC)/overdrive solenoid-performance problem
P1756	Governor pressure not equal to target (35-40 PSI)
P1757	Governor pressure not equal to target -low pressure malfunction
P1762	Governor pressure sensor -incorrect signal
P1763	Governor pressure sensor -signal high
P1764	Governor pressure sensor -signal low
P1765	Transmission system relay
P1776	Solenoid switch valve locked in UR (low/reverse) position
P1790	Fault immediately after shift
P1793	Torque reduction communication error
P1794	Transmission speed sensor -ground circuit
P1797	Manual shift overheat
P1800 – P1899 (Transmission)	
P1897	Engine control module (ECM) communication malfunction
P1899	Park/neutral position (PNP) switch -input circuit malfunction
P1D00 – P1D99 (ISO/SAE Reserved)	

P1DF3	ECU Not Initialized
P3400	Cylinder cut-out system, bank 1 -malfunction
P3401	Cylinder cut-out solenoid 1 -circuit malfunction
P3402	Cylinder cut-out solenoid 1 -malfunction
P3425	Cylinder cut-out solenoid 4 -circuit malfunction
P3426	Cylinder cut-out solenoid 4 -malfunction
P3441	Cylinder cut-out solenoid 6 -circuit malfunction
P3442	Cylinder cut-out solenoid 6 -malfunction
P3449	Cylinder cut-out solenoid 7 -circuit malfunction
P3450	Cylinder cut-out solenoid 7 -malfunction
P3497	Cylinder cut-out system, bank 2 -malfunction
U110A	Steering column function control module, serialcommunication -circuit malfunction
U110C	Fuel level, serial communication -circuit malfunction
U110E	Outside air temperature, serial communication -circuit malfunction
U110F	Fuel volume, serial communication -circuitmalfunction
U1110	Vehicle speed, serial communication -circuit malfunction
U1111	Odometer mileage, serial communication - circuitmalfunction
U1113	NC pressure sensor -communication malfunction
U1120	Wheel distance traveled, serial communication -circuit malfunction
U1403	Fuel level, serial communication -implausible signal
U1403	Fuel level, serial communication -implausiblesignal
U1411	Fuel volume, serial communication implausible signal
U1412	Vehicle speed, serial communication -implausible signal
U1413	Odometer mileage, serial communication implausible signal
U1417	LH front wheel, distance traveled -implausible signal
U1418	RH front wheel, distance traveled implausible signal

U1421	Fuel volume, serial communication implausible signal
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Questions? Contact us.



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